

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Michiyasu KOMATSU

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: SILICON NITRIDE WEAR RESISTANT MEMBER AND MANUFACTURING METHOD THEREOF



INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AO (1-093470) on Form PTO-1449:

This application discloses a silicon nitride sintered body containing from 0.1 to 5% by weight of titanium oxide.

Reference AP (5-178668) on Form PTO-1449:

This application discloses a silicon nitride sintered body containing from 0.1 to 5% by volume of particles of TiN of which average particle diameter is in the range of 5-500nm.

Reference AQ (6-122563) on Form PTO-1449:

This application discloses a silicon nitride sintered body containing a Ti compound of which ratio of longer to shorter axes is two or more.

*All of the above applications contain particles of TiN. However, there being no step of holding at a prescribed temperature in the above applications different from the present invention, their particles of TiN cannot be said to have an edgeless and roundish shape.